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(74) Agents: MARSHALL & MELHORN, LLC et al.; Four SeaGate - 8th Floor, Toledo, OH 43604 (US).

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(71) Applicant (for all designated States except US): BENDIX SPICER FOUNDATION BRAKE, LLC [US/US]; a Delaware Limited Liability Company, 901 Cleveland Avenue, Elyria, OH 44035 (US).

(72) Inventor; and

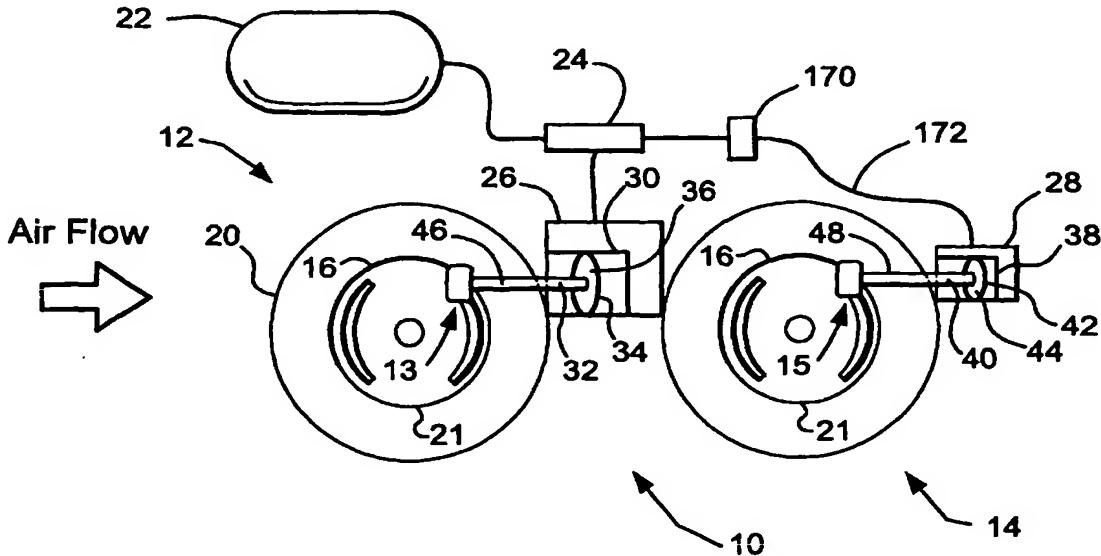
(75) Inventor/Applicant (for US only): CLARK, James, R. [US/US]; 409 Midlakes, Plainwell, MI 49080 (US).

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(54) Title: BRAKE BALANCE SYSTEM FOR TANDEM AXLES



(57) Abstract: A tandem axle system (10) has a first brake axle (13) and at least a second brake axle (15). The first axle has a first brake actuating chamber with a first diaphragm (35) and the second axle has a second brake actuating chamber with a second diaphragm (44). The first axle also has a first brake actuating arm (46) and the second axle has a second brake actuating arm (48). The size of the second diaphragm can be reduced as compared to the first diaphragm and/or the length of the second brake actuating arm can be reduced as compared to the first brake actuating arm to reduce the braking force applied to the second axle.

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